

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/EP2004/007156

**A. CLASSIFICATION OF SUBJECT MATTER**  
IPC 7 H04L12/28 H04L29/06

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 H04L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)  
EPO-Internal, WPI Data

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2003/110334 A1 (BLACKWELL ROBIN J ET AL) 12 June 2003 (2003-06-12) paragraph '0044! - paragraph '0055!	1,10
A	EP 1 009 171 A (CIT ALCATEL) 14 June 2000 (2000-06-14) paragraph '0001! - paragraph '0019!; figure 3a	1,10
A	EP 0 705 012 A (AT & T CORP) 3 April 1996 (1996-04-03) abstract	1,10
A	EP 1 286 501 A (THOMSON LICENSING SA) 26 February 2003 (2003-02-26) paragraph '0001! - paragraph '0011!	1,10
	-/-	

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

\* Special categories of cited documents: -

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \* & \* document member of the same patent family

Date of the actual completion of the international search

14 October 2004

Date of mailing of the international search report

22/10/2004

Name and mailing address of the ISA  
European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax (+31-70) 340-3016

Authorized officer

Reeck, G

# INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP2004/007156

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>US 2002/078161 A1 (CHENG DOREEN YINING)  20 June 2002 (2002-06-20)  abstract</p> <p>-----</p>	

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP2004/007156

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
US 2003110334	A1	12-06-2003	EP	1459484 A2	22-09-2004
			WO	03049370 A2	12-06-2003
EP 1009171	A	14-06-2000	FR	2787268 A1	16-06-2000
			AU	6444499 A	15-06-2000
			CA	2284392 A1	10-06-2000
			EP	1009171 A1	14-06-2000
			JP	2000196679 A	14-07-2000
			US	6683868 B1	27-01-2004
EP 0705012	A	03-04-1996	US	5680552 A	21-10-1997
			CA	2155775 A1	21-03-1996
			DE	69533122 D1	15-07-2004
			EP	0705012 A2	03-04-1996
			JP	3335510 B2	21-10-2002
			JP	8097847 A	12-04-1996
EP 1286501	A	26-02-2003	EP	1286501 A1	26-02-2003
			WO	03019864 A2	06-03-2003
			EP	1419620 A2	19-05-2004
US 2002078161	A1	20-06-2002	WO	0251067 A2	27-06-2002